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6632-#
12-28-01
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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/435,471B

DATE: 11/28/2001

TIME: 13:15:34

Input Set : A:\Usf 1201.app

Output Set: N:\CRF3\11212001\I435471B.raw

ENTERED

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3 <110> APPLICANT: Cooper, Denise R
4     Patel, Niketa A
6 <120> TITLE OF INVENTION: Introduction of a Glucose-Regulated Instability Element
7     Via Alternative Exon Inclusion of PKCBII mRNA in
8     Vascular Smooth Muscle Cells
10 <130> FILE REFERENCE: 114205-1200 Corrected
12 <140> CURRENT APPLICATION NUMBER: 09/435,471B
13 <141> CURRENT FILING DATE: 1999-11-08
15 <160> NUMBER OF SEQ ID NOS: 14
17 <170> SOFTWARE: PatentIn Ver. 2.1
19 <210> SEQ ID NO: 1
20 <211> LENGTH: 7
21 <212> TYPE: PRT
22 <213> ORGANISM: Homo sapiens
24 <220> FEATURE:
25 <223> OTHER INFORMATION: Xaa at amino acid residues 2-6 is any amino acid
26     residue.
28 <400> SEQUENCE: 1
W--> 29 Cys Xaa Xaa Xaa Xaa Xaa Arg
30     1             5
33 <210> SEQ ID NO: 2
34 <211> LENGTH: 11
35 <212> TYPE: PRT
36 <213> ORGANISM: Homo sapiens
38 <220> FEATURE:
39 <223> OTHER INFORMATION: Xaa at amino acid residue 1 is Ile or Val; Xaa at
40     amino acid residue 10 is Ser or Thr; Xaa at amino
41     acid residues 4 and 7 is any amino acid residue.
43 <400> SEQUENCE: 2
W--> 44 Xaa His Cys Xaa Ala Gly Xaa Gly Arg Xaa Gly
45     1             5             10
48 <210> SEQ ID NO: 3
49 <211> LENGTH: 9
50 <212> TYPE: PRT
51 <213> ORGANISM: Homo sapiens
53 <220> FEATURE:
54 <223> OTHER INFORMATION: Xaa at residue positions 3-4, and 6-7 is any amino
55     acid residue; Xaa at amino acid residue 9 is Ser
56     or Thr.
58 <400> SEQUENCE: 3
W--> 59 His Cys Xaa Xaa Gly Xaa Xaa Arg Xaa
60     1             5
63 <210> SEQ ID NO: 4
64 <211> LENGTH: 33
65 <212> TYPE: DNA
66 <213> ORGANISM: Artificial Sequence
68 <220> FEATURE:

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69 <223> OTHER INFORMATION: Description of Artificial Sequence:
70     oligonucleotide primer
72 <400> SEQUENCE: 4
73 cgtatatgcg gccgcgttgt gggcctgaag ggg           33
76 <210> SEQ ID NO: 5
77 <211> LENGTH: 33
78 <212> TYPE: DNA
79 <213> ORGANISM: Artificial Sequence
81 <220> FEATURE:
82 <223> OTHER INFORMATION: Description of Artificial Sequence:
83     oligonucleotide primer
85 <400> SEQUENCE: 5
86 gcattctagt cgacaagagt ttgtcagtgg gag           33
89 <210> SEQ ID NO: 6
90 <211> LENGTH: 22
91 <212> TYPE: DNA
92 <213> ORGANISM: Artificial Sequence
94 <220> FEATURE:
95 <223> OTHER INFORMATION: Description of Artificial Sequence:
96     oligonucleotide primer
98 <400> SEQUENCE: 6
99 gcattcthtc cagtgaggag aa           22
102 <210> SEQ ID NO: 7
103 <211> LENGTH: 21
104 <212> TYPE: DNA
105 <213> ORGANISM: Artificial Sequence
107 <220> FEATURE:
108 <223> OTHER INFORMATION: Description of Artificial Sequence:
109     oligonucleotide primer
111 <400> SEQUENCE: 7
112 aaccagcacg ttgcccagga g           21
115 <210> SEQ ID NO: 8
116 <211> LENGTH: 33
117 <212> TYPE: DNA
118 <213> ORGANISM: Artificial Sequence
120 <220> FEATURE:
121 <223> OTHER INFORMATION: Description of Artificial Sequence:
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124 <400> SEQUENCE: 8
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129 <211> LENGTH: 33
130 <212> TYPE: DNA
131 <213> ORGANISM: Artificial Sequence
133 <220> FEATURE:
134 <223> OTHER INFORMATION: Description of Artificial Sequence:
135     oligonucleotide primer
137 <400> SEQUENCE: 9
138 gcattctagt cgacaagagt ttgtcagtgg gag           33

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141 <210> SEQ ID NO: 10
142 <211> LENGTH: 351
143 <212> TYPE: DNA
144 <213> ORGANISM: Human PKC Beta II
146 <400> SEQUENCE: 10
147 ttttaaacca aaagcttttt gggcgaaacg ctgaaacttc gaccggtttt tcaccgcgcca 60
148 tccaccagtc ctaacacctc cgaccaggaa gtcatacagga atattgacca atcagaattc 120
149 gaaggatttc ctttggttaac tctgaatttt taaaaccgga agtcaagagc tagtagatct 180
150 gtagacctcc gtccttcatt tctgtcattc aagctcacag ctatcatgag agacaagcga 240
151 gacacctcca acttcgacaa aagttcacca ggcagcctgt ggaactgact cccactgaca 300
152 aactctgtcg actagaatgc cctgaattct gcagatatcc atcacactgc g 351
155 <210> SEQ ID NO: 11
156 <211> LENGTH: 39
157 <212> TYPE: DNA
158 <213> ORGANISM: Artificial Sequence
160 <220> FEATURE:
161 <223> OTHER INFORMATION: metabolite responsive instability element
163 <220> FEATURE:
164 <223> OTHER INFORMATION: Description of Artificial Sequence: nucleic acid
165 construct
167 <400> SEQUENCE: 11
168 taactctgaa tttttaaaac ccgaagtcaa gagctagta 39
171 <210> SEQ ID NO: 12
172 <211> LENGTH: 300
173 <212> TYPE: RNA
174 <213> ORGANISM: Human PKC Beta II
176 <400> SEQUENCE: 12
177 uuuuaaacca aaagcuuuuu gggcgaaacg cugaaacuuc gaccgguuuu ucaccgcgcca 60
178 uccaccaguc cuaacaccuc cgaccaggaa gucaucagga auauugacca aucagaauuc 120
179 gaaggauuuc cuuuguaaac ucugaauuuu uaaaaccgga agucaagagc uaguagauuc 180
180 guagaccucc guccuucuuu ucugucuuu aagcucacag cuaucaugag agacaagcga 240
181 gacaccucca acuucgacaa aaguucacca ggcagccugu ggaacugacu cccacugaca 300
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185 <211> LENGTH: 175
186 <212> TYPE: RNA
187 <213> ORGANISM: Human PKC Beta II
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191 uccaccaguc cuaacaccuc cgaccaggaa gucaucagga auauugacca aucagaauuc 120
192 gaaggauuuc cuuuguaaac ucugaauuuu uaaaaccgga agucaagagc uagua 175
195 <210> SEQ ID NO: 14
196 <211> LENGTH: 137
197 <212> TYPE: RNA
198 <213> ORGANISM: Human PKC Beta II
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201 uuuuaaacca aaagcuuuuu gggcgaaacg cugaaacuuc gaccgguuuu ucaccgcgcca 60
202 uccaccaguc cuaacaccuc cgaccaggaa gucaucagga auauugacca aucagaauuc 120
203 gaaggauuuc cuuuguu 137

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VERIFICATION SUMMARY

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Input Set : A:\Usf 1201.app

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L:29 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:1
L:29 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:1
L:29 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:44 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:2
L:44 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:2
L:44 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:59 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:3
L:59 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:3
L:59 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3